



Rec'd PCT/PTO 27 MAR 2006

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

14

Application Number

10/505,328

Filing Date

October 31, 2002

First Named Inventor

Sun-Chang Kim

Art Unit

Not yet assigned

Examiner Name

Not yet assigned

Attorney Docket Number

02730.0020.PCUS00

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Paper copy and electronic copy of substitute sequence listing; Amendment to Sequence Listing and return-receipt postcard.
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Howrey LLP		
Signature			
Printed name	Teddy C. Scott, Jr., Ph.D.		
Date	March 21, 2006	Reg. No.	53,573

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			Date
Typed or printed name	Teddy C. Scott, Jr., Ph.D.	Date	March 21, 2006

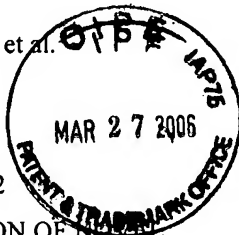
This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

American LegalNet, Inc.
www.USCourtForms.com

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Sun Chang Kim, et al.
 App. No.: 10/505,328
 Conf. No.: 5904
 Filing Date: October 31, 2002
 Title: CONSTRUCTION OF NOVEL
 STRAINS CONTAINING
 MINIMIZING GENOME BY TN5-
 COUPLED CRE/LOXP EXCISION
 SYSTEM
 Examiner: Not Yet Assigned



CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: MAIL STOP MISSING PARTS, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date:

03/21/06
 Date

Teddy C. Scott, Jr., Ph.D.
 Registration No. 53,573

RESPONSE TO NOTIFICATION OF DEFECTIVE RESPONSE

Mail Stop Missing Parts
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313

Dear Sir:

In response to the Notification of Defective Response, date mailed: February 21, 2006, Applicants submit herewith the following:

- Substitute paper copy of sequence listing in accordance with 37 C.F.R. §1.825(a) (8 pages);
- Substitute copy of computer readable form of sequence listing submitted pursuant to §1.825(b) (one diskette);
- Amendment to Sequence Listing Under 37 C.F.R. §1.825 (1 page);
- Copy of the Notification of Defective Response (2 pages);
- Fee Transmittal (1 page);
- Transmittal Letter (1 page); and
- Return receipt postcard.

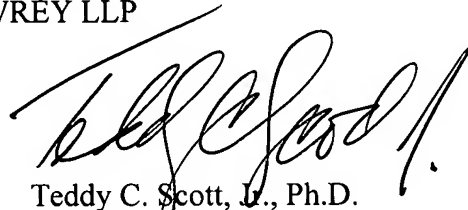
No additional fees are believed to be due in connection with the filing of this Response. However, should any additional fees be deemed necessary for any reason relating to this document, the Commissioner is hereby authorized to deduct the fees from Howrey Simon Arnold & White, LLP Deposit Account 08-3038, referencing the above-identified attorney docket number.

Respectfully submitted,

HOWREY LLP

Dated: March 21, 2006

By:



Teddy C. Scott, Jr., Ph.D.

Registration No.: 53,573

Customer No.: 22930

HOWREY LLP
321 N. Clark Street, Suite 3400
Chicago, IL 60661
(312) 595-1239 (main)
(312) 846-5621 (direct)
(312) 595-2250 (fax)



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

U.S. APPLICATION NUMBER	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/505,328	Sun-Chang Kim	300602004700
INTERNATIONAL APPLICATION NO.		
PCT/KR02/02033		
I.A. FILING DATE	PRIORITY DATE	
10/31/2002	02/22/2002	

Morrison & Foerster
 2000 Pennsylvania Avenue, NW Suite 5500
 Washington, DC 20006

CONFIRMATION NO. 5904
 371 FORMALITIES LETTER

OC000000018084537

Date Mailed: 02/21/2006

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495)

- Indication of Small Entity Status
- Priority Document
- Copy of the International Application filed on 08/23/2004
- Copy of the International Search Report filed on 08/23/2004
- Information Disclosure Statements filed on 08/23/2004
- Biochemical Sequence Diskette filed on 08/23/2004
- Oath or Declaration filed on 08/23/2004
- Biochemical Sequence Listing filed on 08/23/2004
- Small Entity Statement filed on 08/23/2004
- U.S. Basic National Fees filed on 08/23/2004
- Assignment filed on 08/23/2004
- Power of Attorney filed on 08/23/2004

RECEIVED

FEB 24 2006

MORRISON & FOERSTER LLP

RECEIVED

FEB 28 2006

HOWREY LLP

Applicant's response filed 08/23/2004 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 06/22/2005 have not been completed.

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

TRANSFERRED

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

SHELBY J VIGIL

Telephone: (703) 308-9140 EXT 224

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/505,328	PCT/KR02/02033	300602004700